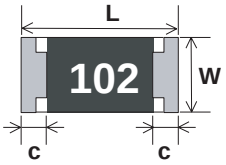
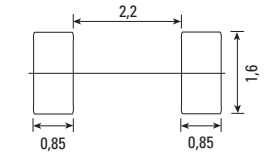
No. FCD12 / 1206

This product is not recommended for new designs. Please refer to Littelfuse No. 466.

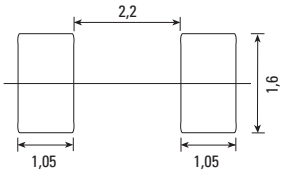
Dimensions



Pad Layout (mm)



Reflow



Wave

UL 248-14, 32V/64 V, F

Time-Current Characteristic
Quick Acting (F)

Applicable Standards
IEC 60127-4
UL 248-14

Approval
cULus Recognized

Features

Excellent for overcurrent protection of miniature portable equipment
very low internal resistance
Flame resistant ceramic substrate
Internationally approved

WebLinks

Further info see:
www.wickmanngroup.com

Further application info see Fuseology:
www.wickmanngroup.com/download/fuseology.pdf

Specifications

Packaging
TP: Paper Tape (5000 pcs.)
Reel diameter 18 cm
Tape width 8 mm

Material
Housing: Ceramic/Glass
Terminals: Sn plated

Operating Temperature
-55 °C to +125 °C

Solderability
235 °C, 2 s
At least 95 % of the terminal surface must be covered by new solder

Soldering Heat Resistance
260 °C, 10 s / 280 °C, 5 s
No visible damage. Meet electrical requirement

Marking
Code for rated current

Unit Weight
10 mg / 11 mg

RoHS

c UL us

Limits for Pre-arcing Time

Rated Current	2.5 x I_N
200 mA ... 5.0 A	< 5 s

Dimensions (mm)

	size	L	W	H	c	d
FCD12 200 mA - 2.5 A	1206	3.2±0.2	1.6±0.15	0.6±0.10	0.5±0.25	0.5±0.25
FCD12 3.15 A - 5 A				0.65±0.10		

Permissible continuous operating current is ≤ 80 % of rated current at ambient temperature of 23 °C (73.4 °F).

Rated Current	Amp Code	Voltage Rating	Breaking Capacity	Voltage Drop 1.0 x I_N typ. (mV)	Cold Resistance 0.1 x I_N max. (mΩ)	Melting Integral 10 x I_N typ. (A^2s)	Marking	Approvals cURus
200mA	0200	64V		380	1800	$1.40x10^{-4}$	201	•
250mA	0250	64V		270	1000	$2.30x10^{-4}$	251	•
315mA	0315	64V		240	750	$4.00x10^{-4}$	321	•
400mA	0400	64V		150	350	$5.40x10^{-4}$	401	•
500mA	0500	64V		113	295	$9.30x10^{-4}$	501	•
630mA	0630	64V		125	200	$1.80x10^{-3}$	631	•
800mA	0800	64V		113	140	$3.30x10^{-3}$	801	•
1.00A	1100	64V		102	110	$5.60x10^{-3}$	102	•
1.25A	1125	64V	50 A / 64 V DC	106	85	$1.00x10^{-2}$	132	•
1.60A	1160	64V	50 A / 32 V AC	108	75	$2.70x10^{-2}$	162	•
2.00A	1200	64V		98	65	$4.70x10^{-2}$	202	•
2.50A	1250	64V		103	45	$7.80x10^{-2}$	252	•
3.15A	1315	32V		78	26	$2.80x10^{-1}$	UD	•
4.00A	1400	32V	50 A / 32 V DC	76	19	$5.00x10^{-1}$	XD	•
5.00A	1500	32V		73	14	$9.70x10^{-1}$	YD	•

Order Information

Qty.	Order-Number	Type	Amp Code	Packaging
		FCD12		

Specifications are subject to change without notice

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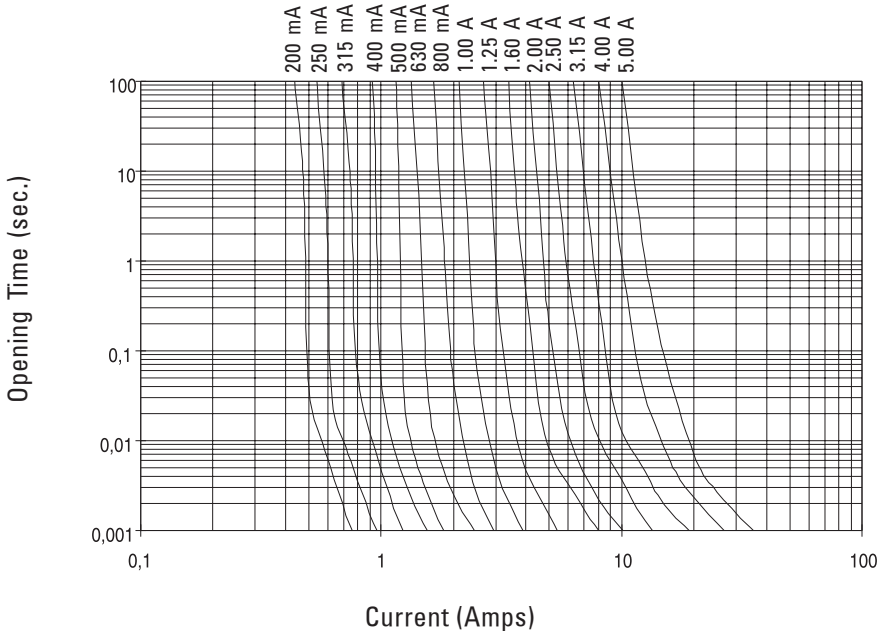
China Tel: +86 21 6432 5146 E-mail: sales@wickmann.cn

1206 / No. FCD12
Time-Current Characteristics



Thermal Derating